

F I G. 1A

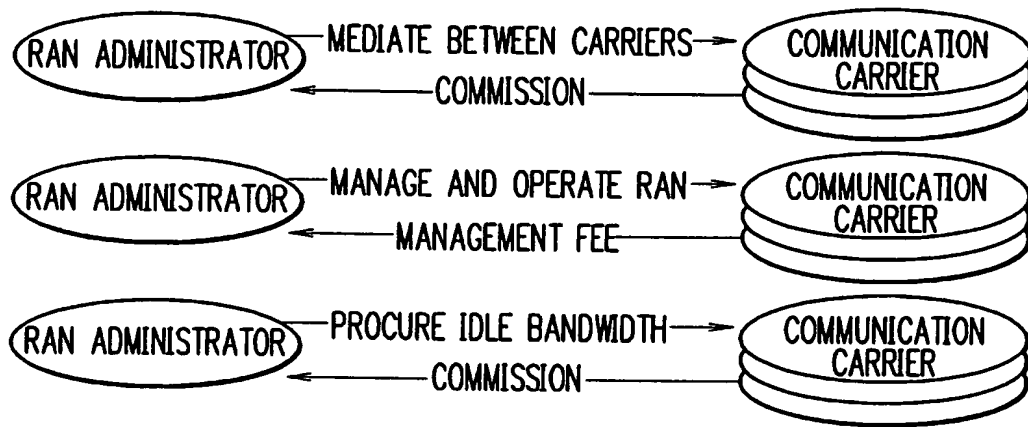
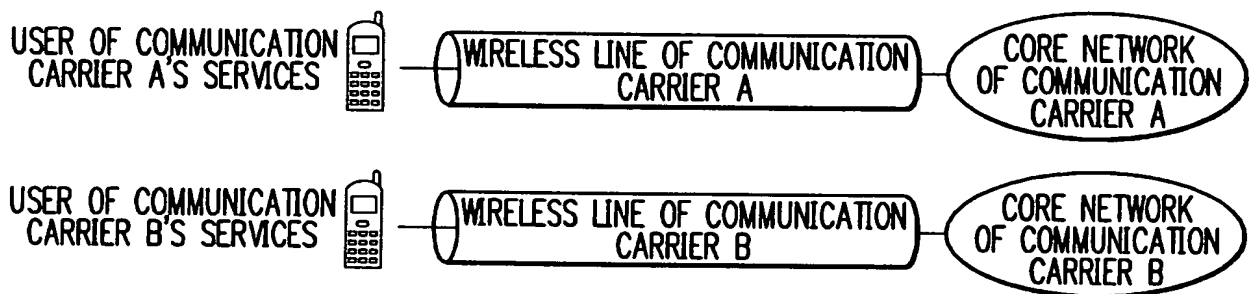
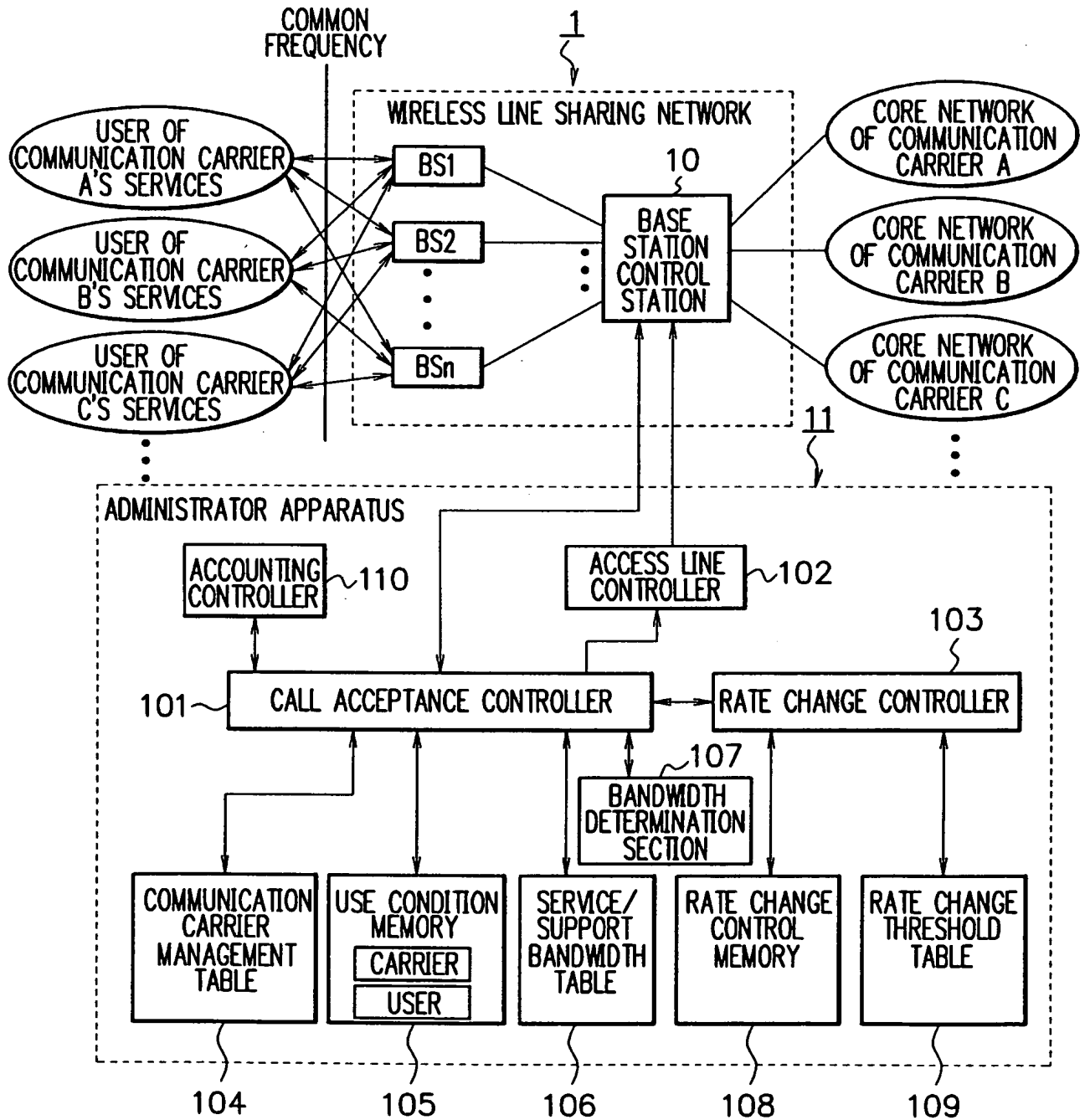
F I G. 1B
PRIOR ART

FIG. 2



F I G. 3

(A)

BEST-EFFORT SYSTEM

COMMUNICATION CARRIER IDENTIFIER	PROVIDED BANDWIDTH INFORMATION		CONNECTION DESTINATION ADDRESS
	DEDICATED RADIO BANDWIDTH	SHARED RADIO BANDWIDTH	
A	0	100	192.168.0.1
B	0	100	192.168.0.2
C	0	100	192.168.0.3
...

(B)

BANDWIDTH GUARANTEE SYSTEM

COMMUNICATION CARRIER IDENTIFIER	PROVIDED BANDWIDTH INFORMATION		CONNECTION DESTINATION ADDRESS
	DEDICATED RADIO BANDWIDTH	SHARED RADIO BANDWIDTH	
A	50	0	192.168.0.1
B	30	0	192.168.0.2
C	20	0	192.168.0.3
...

(C)

BANDWIDTH GUARANTEE + BEST-EFFORT SYSTEM

COMMUNICATION CARRIER IDENTIFIER	PROVIDED BANDWIDTH INFORMATION		CONNECTION DESTINATION ADDRESS
	DEDICATED RADIO BANDWIDTH	SHARED RADIO BANDWIDTH	
A	40	30	192.168.0.1
B	20	30	192.168.0.2
C	10	30	192.168.0.3
...

F I G. 4

(A)

105

CARRIER USE CONDITION MEMORY		
COMMUNICATION CARRIER ID	CONTRACT BANDWIDTH	CURRENTLY USED BANDWIDTH
A	40	20
B	20	10
:	:	:

(B)

USER USE CONDITION MEMORY				
USER ID	SERVICE ID	UE SUPPORT BANDWIDTH	VERSION IDENTIFIER	RESERVED BANDWIDTH
UE1	CALL	12	1	12
UE2	IMAGE	384	—	128
:	:	:	:	:

F I G. 5

106

COMMUNICATION CARRIER ID	SERVICE IDENTIFIER	VERSION IDENTIFIER	CARRIER SUPPORT BANDWIDTH
A	CALL	1	12(Kbit/sec)
		2	24,12,10,8,6,4,2
	IMAGE	—	384,128,64,32,8
	EMAIL	—	64,32
B	IMAGE	—	64,32
C	CALL	—	12
...

FIG. 6

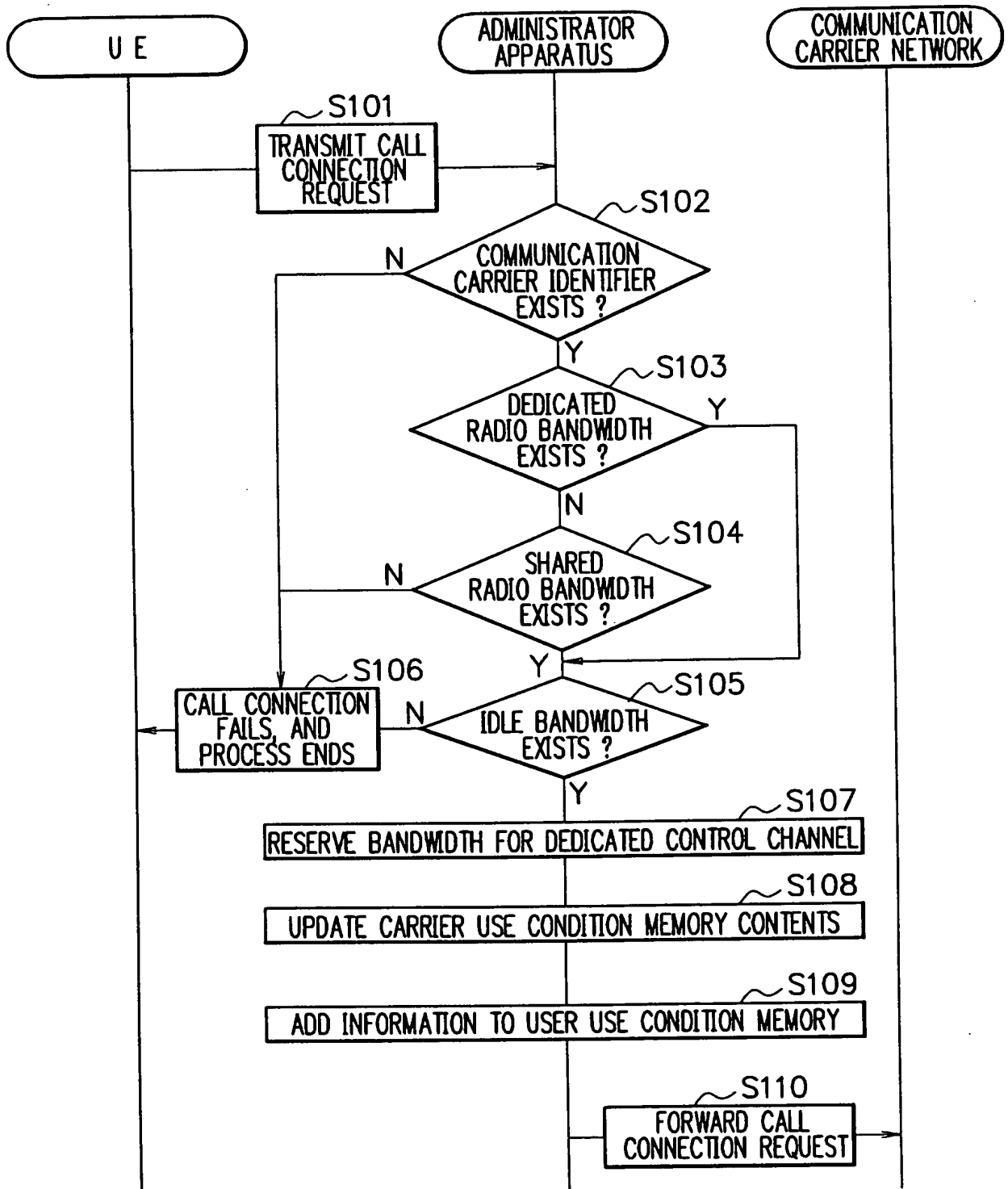


FIG. 7

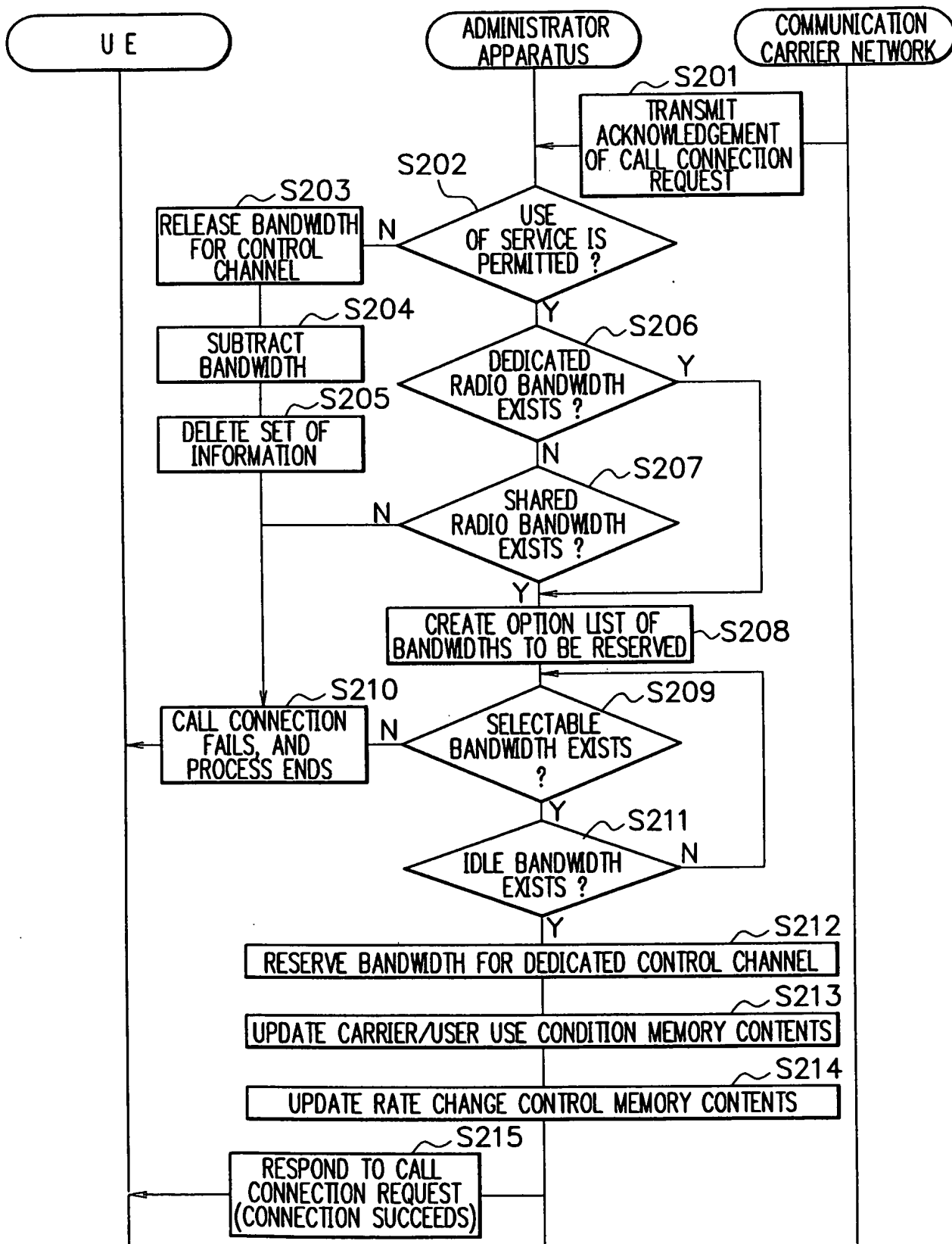
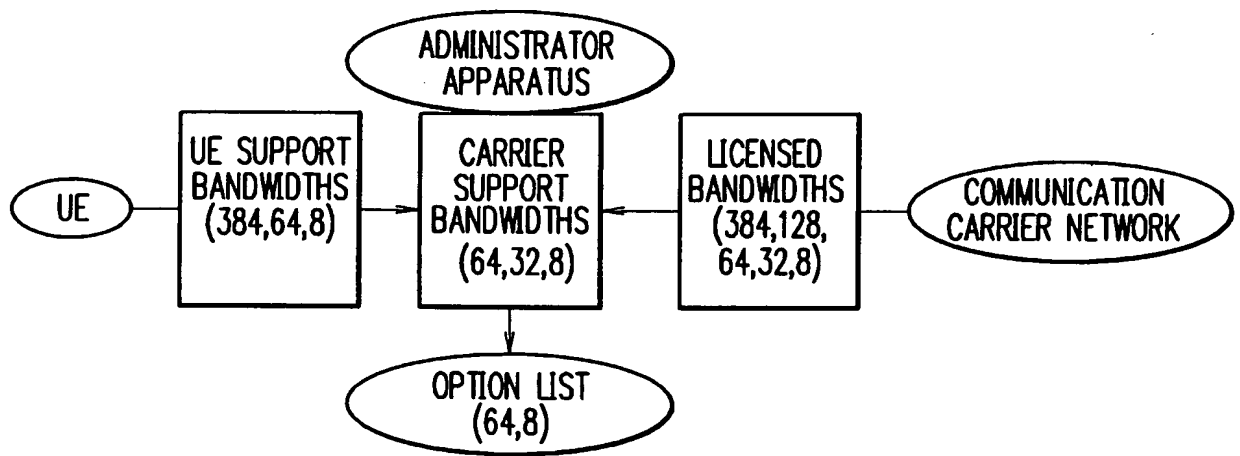


FIG. 8



F I G. 9

108

USED BANDWIDTH	SUBSCRIBER IDENTIFIER	OPTION LIST OF BANDWIDTHS	
12	05280000	12	} BANDWIDTH GROUP
...	
64	10000002	64	
64	00001968	64,32,8	} BANDWIDTH GROUP
...	
384	00000000	384,128,64,32,8	
384	00010000	384,128	} BANDWIDTH GROUP
...	

F I G. 10

109

COMMUNICATION CARRIER IDENTIFIER	RATE CHANGE AVAILABILITY	THRESHOLD/ HYSTERESIS VALUES FOR RATE DOWN	THRESHOLD/ HYSTERESIS VALUES FOR RATE UP
A	AVAILABLE	38/35	20/25
B	AVAILABLE/RATE DOWN ONLY	18/15	—
C	UNAVAILABLE	—	—
...

F I G. 11

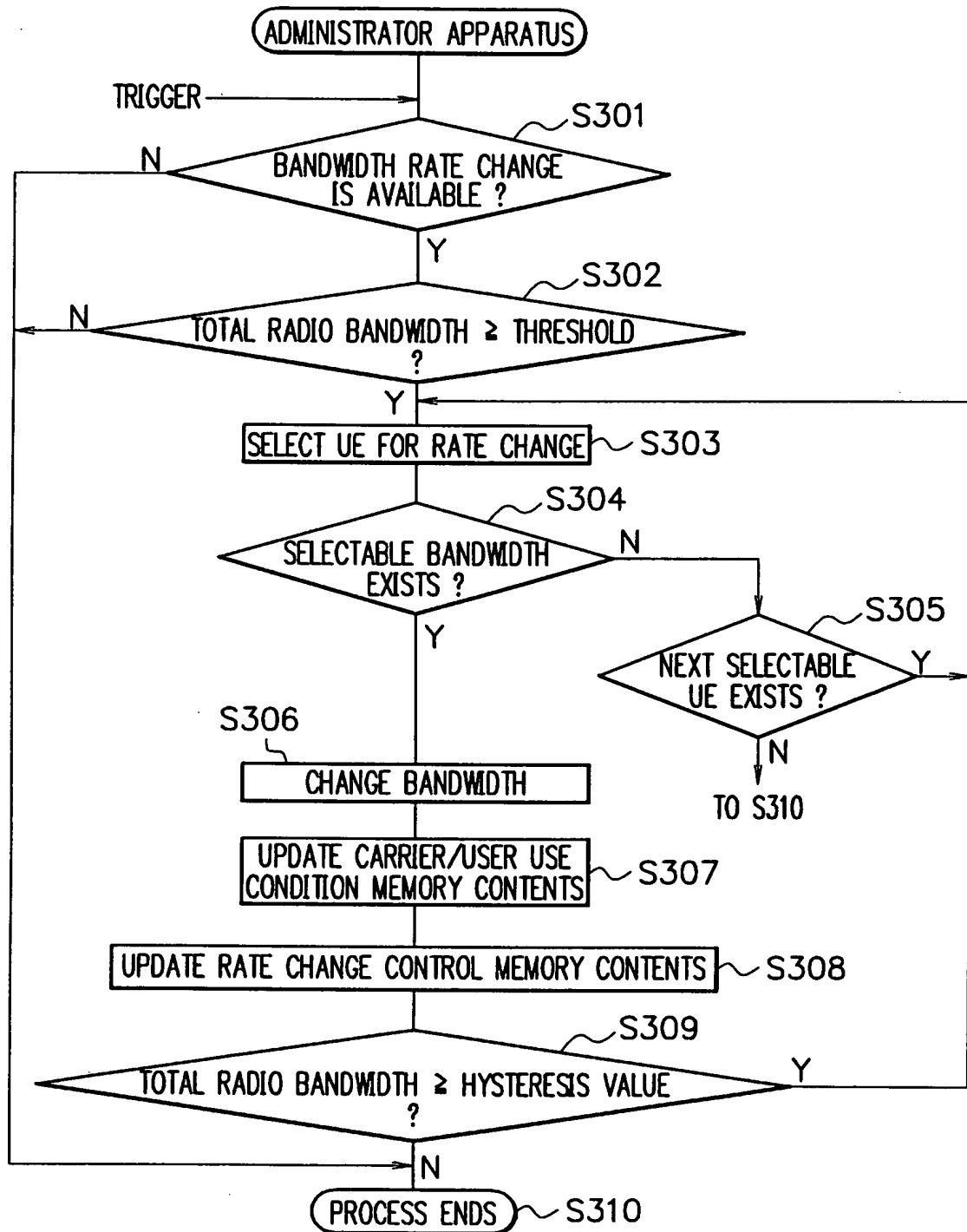


FIG. 12

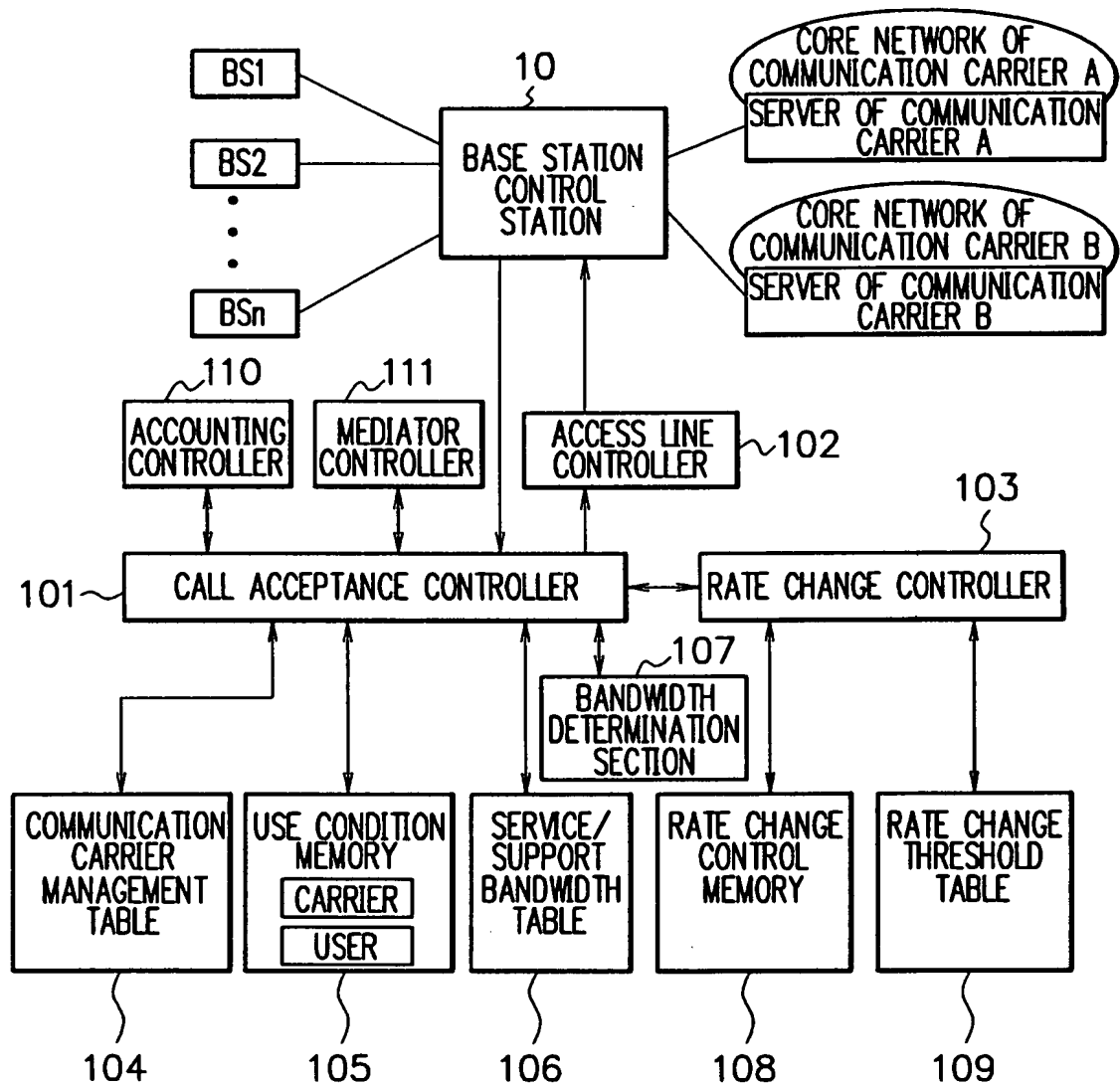


FIG. 13

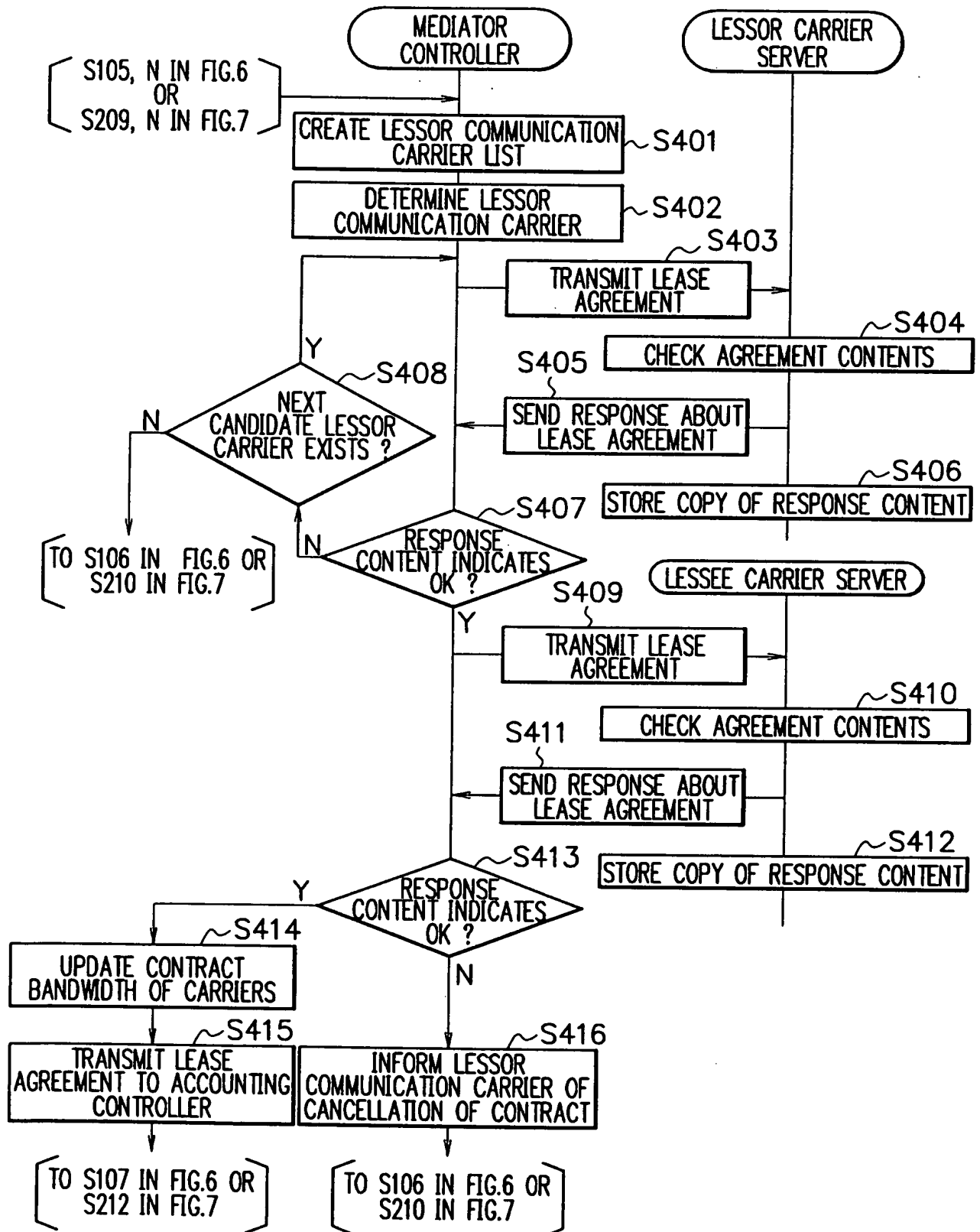


FIG. 14

